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AUTHOR Courtney, E. Wayne
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ABSTRACT

These two evaluation updates cover segments of the third phase of the Apprenticeship Training Materials Clearinghouse project, which is being conducted at Lane Community College in Eugene, Oregon. The first update evaluates activities related to the following project objectives: conduct a field test on clearinghouse services; revise the model according to the evaluations for the field sites; develop mailing lists of institutions, private firms, and organizations that are potential users of apprenticeship materials; develop an information package for dissemination; establish a computerized database; and continue to update and expand the materials resource bank for quality improvement. Information about ONTERIS (the Ontario Education Resources Information System) and database including clearinghouse thesaurus terms pertaining to material type, vendor type, and geographic location is appended. The second update includes evaluations of additional project activities conducted in relation to the objectives discussed in the first update. Appended to the second update are clearinghouse support letters, a related newspaper article, and apprenticeship clearinghouse database printout examples. (MN)

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ED 361 522

A Model System for the Design and Maintenance of Related Instruction Curriculum for Approved U.S. Department of Labor Apprenticeship Occupations

Phase III

Lane Community College
Eugene, Oregon

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
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CG 064 472

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COVER SHEET

Grantee Organization: Lane Community College
4000 East 30th Avenue
Eugene, OR 97405

Grant No.: G008642193

Project Dates: Starting Date: October 1, 1986
Ending Date: September 30, 1989

Project Director: Carl Horstrup
Apprenticeship Coordinator
Lane Community College
4000 East 30th Avenue
Eugene, OR 97405
Telephone: (503) 747-4501, ext. 2843

FIPSE Program Officer:

ED 330 893 CE 057 772
A Model System for the Design and Maintenance of Related Instruction Curriculum for Approved U.S. Department of Labor Apprenticeship Programs; Phase III. Final Report and Final Evaluation Report.
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A final report and final evaluation report of Phase III are provided for a project to establish a national clearinghouse for apprenticeship-related instructional materials. The final report provides a summary and a narrative account of these project activities: identification of materials; identification of apprenticeship curriculum needs; establishment of models for design and development of materials; and establishment of a computerized system for storing, organizing, and retrieving curriculum materials from a centralized database and repository for printed materials. The evaluation report focuses on the continuing evaluation of the directory and materials dissemination. The following findings are reported: (1) the measures used indicated a high degree of acceptance for the utility of the directory; (2) mailing lists of potential users were developed; (3) clearinghouse brochures were made available; (4) apprenticeship instructor workshops on use of the clearinghouse were conducted; and (5) a continuously updated computerized database was established in the UNIX system. Twelve appendices making up the bulk of the document include a listing of databases used; a description of record fields for the apprenticeship database; and memoranda on the following items: directory of company information, field labels for two databases, vendor database on the FIPSE (Fund for the Improvement of Postsecondary Education) computer, vendor directory (including names, addresses, and descriptions of 212 vendors), Vocational Education Curriculum Materials subfile, Resources in Vocational Education subfile, National Technical Information Service subfile, and a projected apprenticeship clearinghouse. Two programming sheets conclude the document. (YLB)

This project established a national clearinghouse for apprenticeship related instructional materials. This project searched out quality training materials from all states and Canadian provinces. During this search process, an assessment of apprenticeship curriculum needs was made and curriculum gaps defined. A directory was produced and distributed to all 10 USDL BAT Regional and 50 State Offices and to several states' vocational curriculum centers. Continual progress reports were printed in the monthly national newsletter, USAA (United States Apprenticeship Association) Sentinel, which has membership in every state and U.S. territory. A computerized data base system was developed allowing additions and revisions as various sources become available for inclusion.

Carl Horstrup
Apprenticeship Coordinator
Lane Community College
4000 East 30th Avenue
Eugene, OR 97405
(503) 747-4501, ext. 2843

"A MODEL SYSTEM FOR THE DESIGN AND MAINTENANCE OF RELATED INSTRUCTION CURRICULA FOR APPROVED U.S. DEPARTMENT OF LABOR APPRENTICESHIP PROGRAMS"

EVALUATION UPDATE

PHASE III

A MODEL SYSTEM FOR THE DESIGN AND MAINTENANCE OF RELATED INSTRUCTION CURRICULUM FOR APPROVED U. S. DEPARTMENT OF LABOR APPRENTICESHIP OCCUPATIONS

Carl Horstrup, Project Director
Lane Community College
4000 East 30th Street
Eugene, Oregon 97405

Submitted by
E. Wayne Courtney, Third Party Evaluator
3220 N. W. Arrowood Circle
Corvallis, Oregon 97330
(503) 758-7325

January 12, 1989

INTRODUCTION

THE PROJECT IS PROGRESSING THROUGH ITS THIRD PHASE IN ACCORDANCE WITH THE OBJECTIVES WHICH ARE ENCOMPASSED BY THE GRANT. THIS UPDATE REPORTS ON PROJECT ACTIVITIES WHICH HAVE BEEN CONCLUDED SINCE THE PHASE II EVALUATION REPORT (DATED OCTOBER 12, 1988) AND CONTAINS THE CURRENT STATUS OF THE EVALUATION MEASURES FOR PHASE III. THE THIRD PHASE OF THE PROJECT HAD AS ITS MAJOR ROLES THE CONTINUING EVALUATION OF THE DIRECTORY AND MATERIALS DISSEMINATION.

THE FIELD EVALUATION OF THE DIRECTORY CONTINUES TO RECEIVE INPUT FROM SITES REPRESENTING SELECTED STATES AND PROVINCES IN THE UNITED STATES AND AUSTRALIA. THE UPDATED RESULTS OF THESE DATA ARE INCLUDED IN THIS REPORT.

THE PROJECT DIRECTOR'S MEETING WITH PERSONNEL AT THE MINISTRY OF SKILLS DEVELOPMENT (TORONTO, ONTARIO) PROVIDED DETAIL CONCERNING ONTERIS (ONTARIO EDUCATION RESOURCES INFORMATION SYSTEM), A PROGRAM WHICH IS INSTALLED WITHIN THE SEARCH FORMAT FOR THE APPRENTICESHIP CLEARINGHOUSE PROJECT. INFORMATION WHICH IS PERTINENT TO THE ONTERIS MATERIALS IS INCLUDED AS APPENDIX A.

HARDWARE ITEMS FOR THE PROJECT ARE OPERATIONAL AT THE LANE COMMUNITY COLLEGE SITE. THE SOFTWARE FOR THE PROJECT HAS ALLOWED FOR THE CREATION OF AS MANY DATABASES AS THE COMPUTER HAS STORAGE CAPACITY. THE INPUT FORMAT FOR THE SYSTEM PROVIDES FOR THE USE OF A THESAURUS WHICH IS BASED TO A LARGE EXTENT UPON THE ERIC THESAURUS TERMS. THE UTILIZED FORMAT APPEARS TO ADEQUATELY MEET THE FUTURE REQUIREMENTS FOR THE PROJECT AS IT MOVES BEYOND PHASE III OF THE PROJECT.

PHASE III PROGRESS

THE FOLLOWING PROGRESS HAS BEEN MADE SINCE THE LAST REPORT IN FULFILLING PHASE III GOALS. CONTINUING DATA ANALYSIS OF THE FIELD EVALUATIONS OF THE DIRECTORY ARE INCLUDED WITH THIS SECTION OF THE REPORT.

OBJECTIVE 4.3. CONDUCT FIELD TEST ON CLEARINGHOUSE SERVICES.

THE DATA WHICH HAVE BEEN COMPILED ON THE EVALUATION OF THE DIRECTORY ARE SHOWN BELOW. THESE DATA HAVE BEEN UPDATED FROM THE REPORT DATED 12 OCTOBER 1988, REFLECTING ADDITIONAL INPUT BY FIELD REVIEWERS. A FEW FIELD SITE REVIEWS ARE PENDING. THE INSTRUMENT USED TO GATHER THESE DATA WAS PROVIDED IN THE PREVIOUS REPORT. MEAN SCORES WERE COMPUTED FOR EACH OF FIVE (5) CRITERIA AND ARE BASED ON A 4-POINT SCALE. THE SUMMARY DATA ARE AS FOLLOWS:

CRITERIA	MEAN SCORE
ORGANIZATION OF THE DIRECTORY	3.36
COMPLETENESS OF THE INSTRUCTIONS. . . .	3.71
TECHNICAL ACCURACY OF THE CONTENT . . .	3.45 *
CLARITY OF THE INCLUDED CONTENT	3.57
GENERAL UTILITY OF THE DIRECTORY FOR FIELD USE	3.64

* NOTE: THE EVALUATIONS FOR TECHNICAL ACCURACY REPRESENT 79% OF THE RESPONDING SITES. OTHERS REPORTED THAT THEY HAD NOT AS YET TESTED THE 'TECHNICAL ACCURACY OF THE CONTENT' CRITERION.

THESE CRITERIA MEASURES APPEAR TO INDICATE A HIGH DEGREE OF ACCEPTANCE FOR THE UTILITY OF THE DIRECTORY AND ARE JUDGED TO BE VALID GAUGES OF THE FITNESS OF THESE MATERIALS FOR FIELD USE. A RECENT EVALUATION SUGGESTED THAT AN INDEX SHOULD BE ADDED TO THE DIRECTORY. (NOTE: THIS IS BEING IMPLEMENTED AS PER OBJECTIVE 4.5.2 CRITERIA.)

OBJECTIVES 4.5 AND 6.1.3 REVISE MODEL ACCORDING TO EVALUATIONS FROM FIELD TEST SITES

A TOTAL OF FOURTEEN (14) TEST SITES, INCLUDING THE COLLEGE OF TECHNICAL AND FURTHER EDUCATION IN GILLES PLAINS, AUSTRALIA, HAVE SUBMITTED EVALUATION RESULTS FOR THE FIELD TESTING OF THE DIRECTORY MATERIALS. FIGURE 1 SHOWS THE LOCATIONS OF THOSE STATES WHICH HAVE SUBMITTED EVALUATION REVIEWS. KEY PROJECT PERSONNEL HAVE BEEN MADE AWARE OF THE RESULTS OF THESE FIELD REVIEWS. FEW CHANGES ARE ANTICIPATED FOR THE MODEL AS A RESULT OF THESE EVALUATIONS.

OBJECTIVE 5.1. DEVELOP MAILING LISTS OF INSTITUTIONS, PRIVATE FIRMS AND ORGANIZATIONS THAT ARE POTENTIAL USERS OF APPRENTICESHIP MATERIALS.

LISTS OF BOTH PUBLIC AND PRIVATE USERS HAVE BEEN COMPILED AS SPECIFIED IN THE PROPOSAL GOALS. THESE LISTS ARE IN THE HANDS OF THE PROJECT DIRECTOR. IT IS ANTICIPATED THAT AN INITIAL PRINTING OF COPIES OF THE MATERIALS WILL BE MAILED TO CRITICAL PARTIES INCLUDING 50-55 TO USDL APPRENTICESHIP DIRECTORS, 35 TO STATE APPRENTICESHIP DIRECTORS, 50-55 TO STATE VOCATIONAL AND CAREER EDUCATION DIRECTORS, 15 TO FIELD TEST SITE PEOPLE, SIX TO REGIONAL CURRICULUM CENTERS, FIVE TO AAJCC PERSONNEL, WITH 60-65 COPIES BEING MADE AVAILABLE FOR DISTRIBUTION AT THE NATIONAL CURRICULUM COORDINATORS VOCATIONAL-TECHNICAL EDUCATION MEETING TO BE HELD AT KANSAS CITY DURING JULY 9-12, 1989.* VENDORS HAVE GIVEN WRITTEN PERMISSION TO COPY THEIR MATERIALS.

(*IT SHOULD BE NOTED THAT THE PROJECT STAFF IS IN THE PROCESS OF INITIATING A DISSEMINATION GRANT WHICH WOULD PROVIDE ADDITIONAL COPIES OF THE MATERIALS TO STATE DIRECTORS OF APPRENTICESHIP TRAINING. MONIES FROM THIS GRANT WOULD ALSO BE UTILIZED TO DEVELOP A VIDEOTAPE FOR THE PROJECT, WITH SOME 150 COPIES PLANNED FOR DISTRIBUTION TO STATE DAT PERSONNEL.)

OBJECTIVE 5.2. DEVELOP INFORMATION PACKAGE FOR DISSEMINATION.

IN ADDITION TO THE BROCHURE, WHICH IS PRESENTLY BEING EMPLOYED AS A DISSEMINATION VEHICLE, AN INFORMATION SHEET WILL BE DEVELOPED AS A PRODUCT OF THE PROJECT. IT IS ANTICIPATED THAT THE INFORMATION SHEET WILL BE COMPLETED PRIOR TO THE NNCCVTE MEETING TO BE HELD IN KANSAS CITY DURING JULY 9-12, 1989. CLEARINGHOUSE BROCHURES HAVE BEEN MADE AVAILABLE ON A REQUEST BASIS FROM THE PROJECT DIRECTOR'S OFFICE ON THE LANE COMMUNITY COLLEGE CAMPUS.

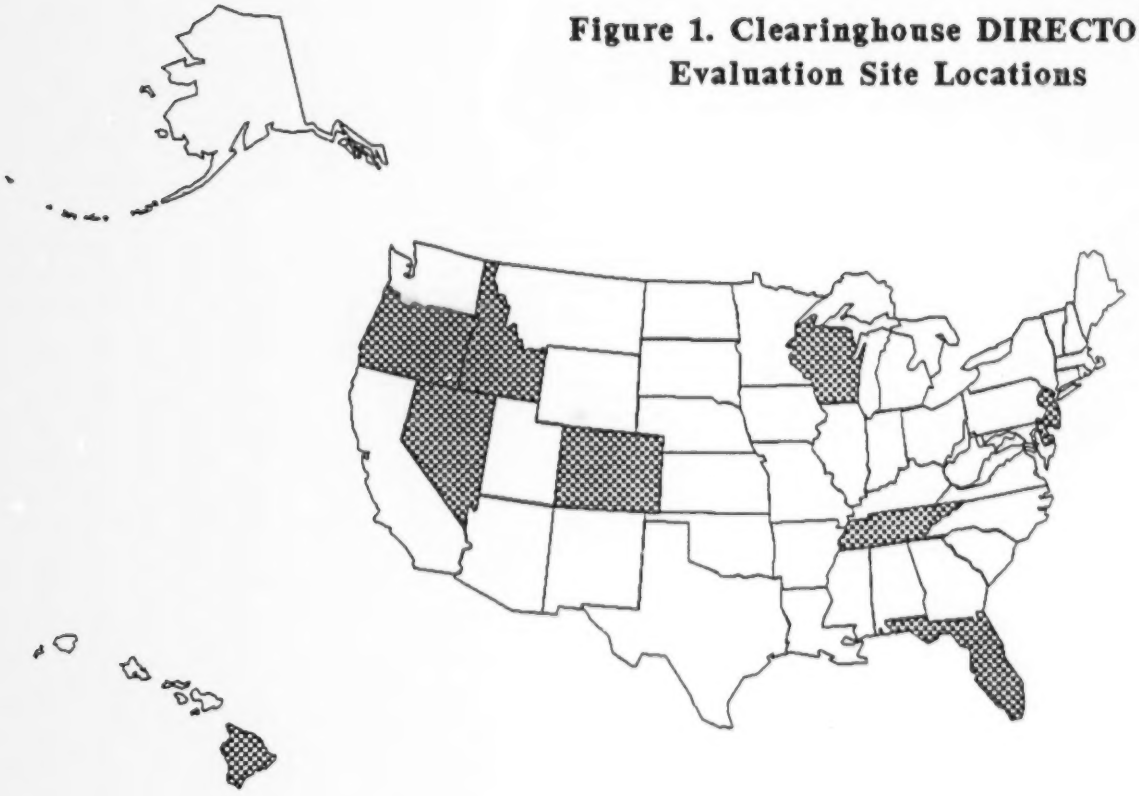

Figure 1. Clearinghouse DIRECTORY Evaluation Site Locations

OBJECTIVE 3.1 ESTABLISH A COMPUTERIZED DATABASE.
OBJECTIVE 7.3 CONTINUE TO UPDATE AND EXPAND THE MATERIALS RESOURCE BANK FOR QUALITY IMPROVEMENT

THE XENIX V OPERATING SYSTEM AND THE BRS SOFTWARE WHICH WILL BE UTILIZED IN THE MANAGEMENT OF THE DATABASES FOR THE PROJECT ARE OPERATIONAL. MODIFICATIONS HAVE BEEN MADE IN THE MATERIALS RESOURCE BANK FOR PURPOSES OF ALLOWING FOR A BROADER SPECTRUM OF USER NEEDS. IN ADDITION TO THE CLEARINGHOUSE DATABASE, A NUMBER OF OTHER DATABASES ARE BEING INSERTED INTO THE SYSTEM FOR PURPOSES OF MATERIALS RESOURCE RETRIEVAL. THESE DATABASES INCLUDE NTIS, RIVE, ERIC, VECM AND OTHERS. THESE ARE BEING SCREENED FOR RESOURCES WHICH ARE APPLICABLE TO CLEARINGHOUSE CLIENTS. A TOTAL OF 1000 CITATIONS ARE EXPECTED FROM EACH OF THESE TO BE APPROPRIATE TO APPRENTICESHIP CLEARINGHOUSE USERS.

THE APPRENTICESHIP CLEARINGHOUSE DATABASE WILL BE HANDLED AS A SEPARATE DATABASE WITHIN THE SYSTEM. THIS WILL ALLOW THE USER TO SEARCH THE PUBLIC SECTOR FIRST BEFORE GOING TO THE MORE EXPENSIVE VENDOR MATERIALS, WHICH ARE DERIVED FROM PRIVATE ENTERPRISES, NETWORKS WHICH DO VENDOR WORK, AND FROM OTHER CLEARINGHOUSES. THE COMPUTER HAS BEEN READIED TO ACCEPT ALL INFORMATION NECESSARY TO THIS PROCESS.

A DIRECTORY OF COMPANY INFORMATION THESAURUS HAS BEEN DESIGNED TO FACILITATE THE DATABASE OPERATION. AS THE DOCUMENTATION OF THE VENDORS IS COMPLETED, THE DATABASE MAY BE SEARCHED BY SPECIFIC TOPICS IN THE MATERIAL TYPE (MT) FIELD BY COMPANY NAME, LOCATION, AREA CODE, ETC. THE INPUT FORM CONTAINS A BASIC INFORMATION CAPABILITY WITH THE ADDITION OF A FAX NUMBER, WITH THE TELEPHONE NUMBER BEING SPLIT INTO TWO FIELDS, LISTING TOLL AND TOLL-FREE STATUS.

IN USING THE FIELD FOR MATERIAL TYPE (MT), THE WORDS USED FOR INPUT NEED TO COME FROM THE THESAURUS (SEE APPENDIX B) TO INCLUDE ALL WORDS THAT APPLY; THE USERS MAY USE UP TO FIFTEEN TERMS. WITHIN THE THESAURUS, THE BOLD FACED WORDS ARE THE PREFERRED TERMS TO BE USED IN THE MT FIELD. UF REPRESENTS 'USED FOR' AND BT MEAN 'BROADER TERM'. FOR EVERY TERM PLACED INTO THE MT FIELD THERE WILL BE A BT TERM FOR THE DESCRIPTOR FIELD, WHICH WILL BE USED TO BUILD A SUBJECT INDEX FOR THE COMPANY DIRECTORY AT PUBLICATION TIME. THE GEOGRAPHICAL FIELD AND THE VENDOR TYPE FIELDS ARE ALSO SORT FIELDS WHICH MAY BE UTILIZED SHOULD THE DECISION BE MADE TO PUT OUT A PAPER DIRECTORY. THE FINISHED PRODUCT WOULD CONTAIN AT LEAST THREE SECTIONS LISTING THE RESOURCE BY MATERIAL TYPE, VENDOR TYPE, AND BY GEOGRAPHICAL LOCATION. THE VOCABULARY WILL BE MODIFIED OVER TIME TO REFLECT THE DEMANDS AND NEEDS OF THE PROJECT.

WHEN THE PROCESS OF DOCUMENTING VENDORS IS COMPLETE, IT WILL BE POSSIBLE FOR THE USER TO OBTAIN A PRINTED DIRECTORY WHICH IS CREATED BY DOWNLOADING AN ASCII FILE AND EDITING IT WITH DESKTOP PUBLISHING SOFTWARE, ACTUAL REMOTE COMPUTER SEARCHING, OR DOWNLOADING SPECIFIC LISTS TO EITHER 5 1/4 OR 3 1/2 INCH FLOPPY DISKS.

THE PROJECT CONTINUES TO PROCEED ACCORDING TO THE GRANT PROPOSAL. FUTURE DECISIONS NEED TO BE MADE REGARDING SUCH ITEMS AS EDITORIAL POLICY, COPYRIGHT, AND THE ESTABLISHMENT OF COSTS FOR USERS. IF A MICROFICHE COLLECTION IS TO BE MADE A PART OF THE CLEARINGHOUSE, IT SHOULD BE GIVEN A COST ESTIMATE.

APPENDIX

Ontario Education Resources Database
Information Materials

Clearinghouse Thesaurus Terms
Material Type (MT)
Vendor Type (VT)
Geographical Location (GL)

Système informatisé de ressources pédagogiques de l'Ontario

ONTERIS

APPENDIX A

Ministère de l'Éducation
Ontario

Chris Ward, ministre
Bernard J. Shapiro, sous-ministre

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Ministère de l'Éducation
Édifice Mowat, 24e étage
Queen's Park
Toronto (Ontario)
M7A 1L2
Téléphone (416) 965-4110

BRS INFORMATION TECHNOLOGIES™

AIDPAGE
ONED

Ontario Education Resources Information Database

BRS Label:
ONED

Scope:
Includes education research, curriculum guidelines, reports and other materials produced or sponsored by Ontario school boards, the Ministries of Education and Colleges and Universities, and other agencies, authorities and educational organizations.

Producer:
Ontario Ministry of Education
Mowat Block, 13th Floor
Queens Park
Toronto, Ontario M7A 1L2

Contact:
Anna Lau
416-965-4110

BIBL Paragraphs:
AN, MT, MS, TI, AU, IN, PB, SO, YR, AV

Years of Coverage:
1974 to the present with selected retrospective coverage.

Total Size:
Approximately 6000 records as of April 1983

Updates:
Every other month

Record Structure

Label	Paragraph	Function	Example
AN	Accession Number	s	on02797.an
		@	@cd > 00100 @ar = 00362
	Update Code	@	@up > 8303
		l	l/1 up > 8303
SF	Subfile	s	research.sf
MT	Material Type	s	handbook.mt
MS	Material Status	s	progress.ms
LG	Language	s	francais.lg
TI	Title	s	environmental with studies.ti
AU	Author	s	johnson-eileen$.au
IN	Corporate Author Information	s	ontario with research adj council.in
PB	Publication Information	s	ottawa with research adj centre.pb
SO	Journal	s	teacher adj education.so
YR	Date	s	1982.yr
		@	@yr > 1980

Label	Paragraph	Function	Example
DE	Descriptors	s	secondary-schools.de special adj education.de
EL	Education Level	s	primary adj division.el grade-2.el
TP	Target Population	s	mentally with handicapped.tp adults.tp
AB	Abstract	s	socioeconomic adj status.ab
SC	Special Features/ Components	s	bibliography.sc
TE	Tests/Instruments	s	mathematics.te
NT	Notes	s	french with (transl$ or version).nt
GS	Geographic Source	s	central adj ontario.gs
FS	Funding Source	s	ontario adj ministry with education.fs
CP	Contact Person	s	adams-v$.cp
AV	Availability	display	n/a

l: indicates limit function. The limit function is not available for menu-driven services.

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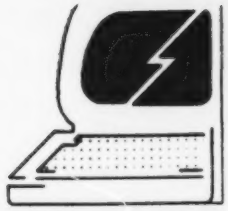

THE ONTARIO EDUCATION RESOURCES INFORMATION SYSTEM

Contents

ONTERIS provides access to several types of educational information:

- Curriculum guidelines and support documents (CD numbers) produced by the Ministry of Education and Ontario boards of education.

- Learning materials (LM numbers), print and nonprint, which support the elementary- and secondary-level curriculum, including books, films, videocassettes, kits, and computer software. Major educational collections are included -- e.g., C14 textbooks, French Language Fund textbooks, Computer Based Learning Materials, and TVOntario Program Services.

- Educational research and reports (ON numbers) generated by Ontario boards of education, the Ministries of Education and of Colleges and Universities, and other agencies and authorities, such as the Ontario Institute for Studies in Education and teachers' associations.

- Reports and other papers of ministry funded commissions, reviews and projects (ARCH numbers) including the Education Relations Commission, recent commissions on Private Schools, Educational Finance, and Planning and Implementation.

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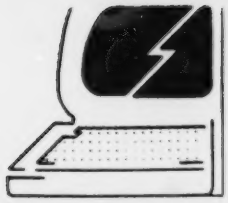

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Genres de documents

ONTERIS donne accès à des documents de tous genres :

- Programmes-cadres et documents d'appui (numéros commençant par CD). Produits par le ministère de l'Éducation et les conseils scolaires.

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- Recherches en éducation (numéros commençant par ON). Proviennent des conseils scolaires, du ministère de l'Éducation, du ministère des Collèges et Universités, d'organismes comme l'Institut d'études pédagogiques de l'Ontario ou les fédérations d'enseignants.

- Rapports des commissions et comités financés par le Ministère (numéros commençant par ARCH), tels que la Commission des relations de travail en éducation, les comités sur l'école privée, le financement de l'éducation, la planification, etc.

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ONTERIS

ONTERIS DATABASE

Production and Access

ONTERIS PRODUCES THE DATABASE

- All documents contributed to ONTERIS are catalogued, subject indexed, and abstracted or annotated.
- This description of each document is entered in the computer and becomes the online record for that document.
- ONTERIS sends a magnetic tape of the database and regular update tapes to BRS Information Technologies.

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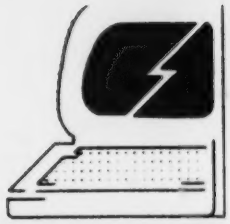
ONTERIS



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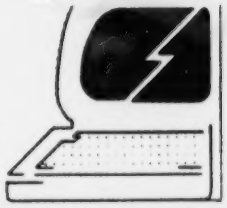

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Lakehead University
Laurentian University
Nipissing College
Ottawa University
Queen's University
Trent University
University of Toronto
University of Western Ontario
University of Windsor
Ontario Institute for Studies in Education
Ministry of Education
  Information Centre
  Eastern Ontario Regional Office
  Midnorthern Ontario Regional Office
  Northeastern Ontario Regional Office
  Northwestern Ontario Regional Office
  Western Ontario Regional Office

B. Research & Reports (only)

Canadian Education Association
National Library of Canada
Ontario Legislative Library
TVOntario
York University

C. Briefs and Submissions

Ministry of Education, Information Centre
Ontario Institute for Studies in Education
Ontario Public Archives

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A. Programmes, recherches et rapports

- Université Brock
- Université Lakehead
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- Université Trent
- Université de Toronto
- Université Western Ontario
- Université de Windsor
- Collège de Nipissing
- Institut d'études pédagogiques de l'Ontario
- Ministère de l'Education
  - Centre d'information
  - Bureau régional de l'est de l'Ontario
  - Bureau régional du centre-nord de l'Ontario
  - Bureau régional du nord-est de l'Ontario
  - Bureau régional du nord-ouest de l'Ontario
  - Bureau régional de l'ouest de l'Ontario

B. Recherches et rapports (seulement)

- Association canadienne d'éducation
- Bibliothèque nationale du Canada
- Bibliothèque du parlement ontarien
- TVOntario
- Université York

C. Mémoires et soumissions

- Ministère de l'Education. Centre d'information
- Institut d'études pédagogiques de l'Ontario
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→ in our building

→ in Toronto

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Material Type (MT)

Audiotape Cartridges
use **Audiotape Cassettes**

Audiotape Cassette Recorders
use **Audiotape Cassettes**

Audiotape Cassettes
uf Audiotape Cartridges
Audiotape Cassette Recorders
bt **Magnetic Tape Cassettes**

Audiotape Recordings
uf Language Tapes
Master Tapes (Audio)
Phonotape Recordings
Sound Tape Recordings
bt **Tape Recordings**

Audiovisual Aids
uf Audiovisual Equipment
Audiovisual Materials
Audiovisual Media
bt **Educational Media**

Audiovisual Equipment
use **Audiovisual Aids**

Benches
use **Furniture**

Bibliographies
uf Book Lists
Literature Searches
bt **Reference Materials**

Black and White Films
use **Films**

Book Lists
use **Bibliographies**

Books
bt **Publications**

CAI
use **Computer Assisted Instruction**

Cartography
use **Graphic Arts**

Catalogs
bt **Publications**

Classroom Equipment
use **Educational Equipment**

Classroom Furniture
uf Furniture (Classroom)
bt **Education Equipment**
Furniture

Classroom Materials
use **Instructional Materials**

Clinical Teaching (Individualized Instruction)
use **Individualized Instruction**

Color Films
use **Films**

Competency Based Materials

Computer Aided Instruction
use **Computer Assisted Instruction**

Computer Assisted Instruction
uf CAI
Computer Aided Instruction
Computer Assisted Learning
Computer Based Instruction
Computer Based Laboratories
bt **Computer Uses in Education**
Programed Instruction

Computer Assisted Learning
use **Computer Assisted Instruction**

Computer Based Instruction
use **Computer Assisted Instruction**

Computer Based Laboratories
use **Computer Assisted Instruction**

Computer Graphics
use **Graphic Arts**

Course Descriptions
uf Course Outlines
Syllabi

Course Outlines
use **Course Descriptions**

Courseware
uf Instructional Software
Courseware Reviews
bt **Computer Software**
Instructional Materials

Courseware Reviews
use **Courseware**

Curriculum
uf Curriculum Content
Teaching Areas

Curriculum Content
use **Curriculum**

Curriculum Guides
uf Flies Guides
bt **Guides**

Curriculum Materials
use **Instructional Materials**

Directories
BT Reference Materials

Discussion Guides
use **Teaching Guides**

Drill Presses
use **Machine Tools**

Educational Equipment
uf Classroom Equipment
bt **Equipment**

Educational Materials
use **Instructional Materials**

Educational Media
uf Instructional Aids
Instructional Media
Mechanical Teaching Aids

Engineering Graphics
use **Graphic Arts**

Examinations
use **Tests**

Film Clips
use **Filmstrips**

Film Loops
use Filmstrips

Films
uf Black and White Films
Color Films
Motion Pictures
bt **Mass Media**
Nonprint Media
Visual Aids

Filmstrips
uf Film Clips
Film Loops
bt **Nonprint Media**
Visual Aids

Fles Guides
use **Curriculum Guides**

Fles Materials
use **Instructional Materials**

Furniture
uf Benches
Tables
Stands
bt **Equipment**

Furniture (Classroom)
use **Classroom Furniture**

Graphic Arts
uf Cartography
Computer Graphics
Engineering Graphics
Layout (Publications)
Printing
bt **Visual Arts**

Grinding Machines
use **Machine Tools**

Guidebooks
use **Guides**

Guides
uf Guidebooks
Handbooks
Health Activities Handbooks
Health Guides
Manuals
bt **Reference Materials**

Hand Tools
bt **Equipment**

Handbooks
use **Guides**

Health Activities Handbooks
use **Guides**

Health Guides
use **Guides**

Identification Tests
use **Tests**

Individualized Curriculum
use **Individualized Instruction**

Individualized Education
use **Individualized Instruction**

Individualized Instruction
uf Clinical Teaching (Individualized Instruction)
Individualized Curriculum
Individualized Education
Personalized Instruction
Self Paced Instruction
bt **Teaching Methods**

Instructional Aids
use **Educational Media**

Instructional Materials
uf Classroom Materials
Curriculum Materials
Educational Materials
Fles Materials
Training Materials
Training Aids
Training Packages
Teaching Materials
Teaching Aids
bt **Educational Media**

Instructional Media
use **Educational Media**

Instructional Software
use **Courseware**

Instructor Gudes
use **Teaching Guides**

Instructor Manuals
use **Teaching Guides**

Lab Manuals
use **Laboratory Manuals**

Laboratory Manuals
uf Lab Manuals
bt **Guides**
Instructional Materials

Language Tapes
use **Audiotape Recordings**

Laps
use **Learning Modules**

Lathes
use **Machine Tools**

Layout (Publications)
use **Graphic Arts**

Learning Activity Packages
use **Learning Modules**

Learning Activity Packets
use **Learning Modules**

Learning Kits
use **Learning Modules**

Learning Modules
uf Laps
Learning Activity Packages
Learning Activity Packets
Learning Kits
Learning Packages
Modular Learning
Training Modules
bt **Instructional Materials**

Learning Packages
use **Learning Modules**

Lesson Notes
use **Lesson Plans**

Lesson Plans
uf Lesson Notes

Literature Searches
use **Bibliographies**

Machine Tools
uf Drill Presses
Grinding Machines
Lathes
Milling Machines
Punch Presses
Shapers
bt **Equipment**

Machinery
use **Mechanical Equipment**

Machines
use **Mechanical Equipment**

Manuals
use **Guides**

Master Tapes (Audio)
use **Audiotape Recordings**

Mechanical Devices
use **Mechanical Equipment**

Mechanical Equipment
uf Machinery
Machines
Mechanical Devices
bt **Equipment**

Mechanical Teaching Aids
use **Educational Media**

Milling Machines
use **Machine Tools**

Minicourses
uf Short Courses
bt **Courses**

Modular Learning
use **Learning Modules**

Motion Pictures
use **Films**

Multimedia Instruction
bt **Teaching Methods**

Optical Videodisks
use **Videodisks**

Overhead Transparencies
use **Transparencies**

Personalized Instruction
use **Individualized Instruction**

Phonotape Recordings
use **Audiotape Recordings**

Printing
use **Graphic Arts**

Professional Services
bt **Services**

Programed Texts
use **Textbooks**

Punch Presses
use **Machine Tools**

Quizzes
use **Tests**

Research Reports
uf Research Studies
Scientific Reports
Technical Reports
bt **Reports**

Research Studies
use **Research Reports**

Safety Equipment
uf Safety Glasses
Safety Signs
Safety Products
bt Equipment

Safety Glasses
use **Safety Equipment**

Self Paced Instruction
use **Individualized Instruction**

Self Pacing Machines
use **Teaching Machines**

Scientific Reports
use **Research Reports**

Seminars
bt **Meetings**

Service Manuals
bt **Guides**

Services
uf Support Systems (Services)

Shapers
use **Machine Tools**

Short Courses
use **Minicourses**

Simulated Studies
use **Simulation**

Simulation
uf Simulated Studies
Simulators
bt **Methods**

Simulators
use **Simulation**

Slides
bt **Transparencies**

Sound Tape Recordings
use **Audiotape Recordings**

Stands
use **Furniture**

Summer Workshops
use **Workshops**

Supplementary Textbooks
use **Textbooks**

Support Systems (Services)
use **Services**

Syllabi
use **Course Descriptions**

Teacher Guides
use **Teaching Guides**

Teacher Manuals
use **Teaching Guides**

Teaching Aids
use **Instructional Materials**

Teaching Guides
uf Discussion Guides
Instructor Manuals
Teacher Guides
Instructor Guides
Teacher Manuals
bt **Guides**

Teaching Machines
uf Self Pacing Machines
bt **Autoinstructional Aids**

Teaching Materials
use **Instructional Materials**

Technical Reports
use **Research Reports**

Test Books
use **Tests**

Tests
uf Examinations
Identification Tests
Quizzes
Test Books
bt **Measures (Individuals)**

Textbooks
uf Programed Texts
Supplementary Textbooks
bt **Books**
Instructional Materials

Training Materials
use **Instructional Materials**

Training Modules
use **Learning Modules**

Training Aids
use **Instructional Materials**

Training Packages
use **Instructional Materials**

Transparencies
uf Overhead Transparencies
bt **Nonprint Media**
Visual Aids

Video Cassette Systems
use **Videotape Cassettes**

Video Tape Recordings
use **Videotape Recordings**

Videodisc Recordings
use **Videotape Cassettes**

Videodisks
uf Optical Videodisks
Videodisc Recordings
bt **Nonprint media**
Visual Aids

Videotape Cartridges
use **Videotape Cassettes**

Videotape Cassette Recorders
use **Videotape Cassettes**

Videotape Cassettes
uf Video Cassette Systems
Videotape Cartridges
Videotape Cassette Recorders
bt **Magnetic Tape Cassettes**

Videotape Recordings
uf Video Tape Recordings
bt **Tape Recordings**
Visual Aids

Visual Aids
uf Visual Equipment
Visual Materials
Visual Media

Visual Equipment
use **Visual Aids**

Visual Materials
use **Visual Aids**

Visual Media
use **Visual Aids**

Workshops
uf Summer Workshops

Workbooks
bt **Instructional Materials**

VENDOR TYPE (VT)

Clearinghouse
Network
Private Sector Firms

GEOGRAPHICAL LOCATION (GL)

Two letter postal abbreviation; i.e., OR for Oregon

EVALUATION UPDATE

PHASE III

A MODEL SYSTEM FOR THE DESIGN AND MAINTENANCE OF RELATED INSTRUCTION CURRICULUM FOR APPROVED U. S. DEPARTMENT OF LABOR APPRENTICESHIP OCCUPATIONS

Carl Horstrup, Project Director
Lane Community College
4000 East 30th Street
Eugene, Oregon 97405

Submitted by
E. Wayne Courtney, Third Party Evaluator
3220 N. W. Arrowood Circle
Corvallis, Oregon 97330
(503) 758-7325

May 31, 1989

INTRODUCTION

THE PROJECT IS PROGRESSING THROUGH ITS THIRD PHASE IN ACCORDANCE WITH THE GRANT'S OBJECTIVES. THIS UPDATE COVERS PROJECT ACTIVITIES WHICH HAVE BEEN CONCLUDED SINCE THE LAST PHASE III EVALUATION REPORT (DATED JANUARY 12, 1989). THE THIRD PHASE OF THE PROJECT HAS AS ITS MAJOR ROLES THE CONTINUING EVALUATION OF THE DIRECTORY AND MATERIALS DISSEMINATION.

THE FIELD EVALUATION OF THE DIRECTORY APPEARS TO BE COMPLETE WITH SITES REPRESENTING SELECTED STATES AND PROVINCES IN THE UNITED STATES AND AUSTRALIA PROVIDING DATA INPUT. THE RESULTS OF THESE DATA WERE INCLUDED IN THE LAST REPORT.

THE PROJECT CONTINUES TO RECEIVE PUBLICITY THROUGH A VARIETY OF INFORMATION RESOURCES. THE UNITED STATES APPRENTICESHIP ASSOCIATION (USAA) SENTINEL, THE OFFICIAL NEWLETTER FOR APPRENTICESHIPS, IS NOW LOCATED ADJACENT TO THE APPRENTICESHIP CLEARINGHOUSE PROJECT. INFORMATION WHICH IS PERTINENT TO THE CLEARINGHOUSE WILL BE GIVEN SPECIAL CONSIDERATION AS A RESULT OF THIS RELOCATION (SEE APPENDIX).

HARDWARE ITEMS FOR THE PROJECT ARE OPERATIONAL AT THE LANE COMMUNITY COLLEGE SITE. THE SOFTWARE FOR THE PROJECT HAS ALLOWED FOR THE CREATION OF AS MANY DATABASES AS THE COMPUTER HAS STORAGE CAPACITY. THE INPUT FORMAT FOR THE SYSTEM PROVIDES FOR THE USE OF A THESAURUS WHICH IS BASED TO A LARGE EXTENT UPON THE ERIC THESAURUS TERMS. THE UTILIZED FORMAT APPEARS TO ADEQUATELY MEET THE FUTURE REQUIREMENTS FOR THE PROJECT AS IT MOVES BEYOND PHASE III OF THE PROJECT.

PHASE III PROGRESS

THE FOLLOWING PROGRESS HAS BEEN MADE SINCE THE LAST REPORT IN FULFILLING PHASE III GOALS.

OBJECTIVE 4.3. CONDUCT FIELD TEST ON CLEARINGHOUSE SERVICES.

THE FINAL DATA WHICH WERE COMPILED ON THE EVALUATION OF THE DIRECTORY WERE GIVEN IN THE JANUARY 12TH REPORT. SINCE THAT TIME THERE HAS BEEN NO ADDITIONAL INPUT BY FIELD REVIEWERS. ALTHOUGH A FEW FIELD SITE REVIEWS ARE STILL PENDING, A DECISION WAS MADE TO FINALIZE THE RESULTS OF THE FIELD REVIEWS. THE INSTRUMENT USED TO GATHER THESE DATA WAS PROVIDED IN THE PREVIOUS REPORT. MEAN SCORES WERE COMPUTED FOR EACH OF FIVE (5) CRITERIA AND WERE BASED ON A 4-POINT SCALE. THE SUMMARY DATA ARE AS FOLLOWS:

CRITERIA	MEAN SCORE
ORGANIZATION OF THE DIRECTORY	3.36
COMPLETENESS OF THE INSTRUCTIONS. . . .	3.71
TECHNICAL ACCURACY OF THE CONTENT . . .	3.45 *
CLARITY OF THE INCLUDED CONTENT	3.57
GENERAL UTILITY OF THE DIRECTORY FOR FIELD USE	3.64

* NOTE: THE EVALUATIONS FOR TECHNICAL ACCURACY REPRESENT 79% OF THE RESPONDING SITES. OTHERS REPORTED THAT THEY HAD NOT AS YET TESTED THE 'TECHNICAL ACCURACY OF THE CONTENT' CRITERION.

THESE MEASURES INDICATE A HIGH DEGREE OF ACCEPTANCE FOR THE UTILITY OF THE DIRECTORY AND ARE JUDGED TO BE VALID GAUGES OF THE FITNESS OF THESE MATERIALS FOR FIELD USE. A RECENT EVALUATION SUGGESTED THAT AN INDEX SHOULD BE ADDED TO THE DIRECTORY. (NOTE: THIS IS BEING IMPLEMENTED AS PER OBJECTIVE 4.5.2 CRITERIA.)

OBJECTIVES 4.5 AND 6.1.3 REVISE MODEL ACCORDING TO EVALUATIONS FROM FIELD TEST SITES

KEY PROJECT PERSONNEL HAVE BEEN MADE AWARE OF THE RESULTS OF THE FIELD REVIEWS. ONLY A FEW MINOR CHANGES ARE NECESSARY TO THE MODEL AS A RESULT OF THESE EVALUATIONS.

OBJECTIVE 5.1. DEVELOP MAILING LISTS OF INSTITUTIONS, PRIVATE FIRMS AND ORGANIZATIONS THAT ARE POTENTIAL USERS OF APPRENTICESHIP MATERIALS.

THE PROJECT HAS BEEN ENDORSED BY SEVERAL MAJOR APPRENTICESHIP GROUPS AND ORGANIZATIONS, INCLUDING THE U.S. DEPARTMENT OF LABOR AND THE AMERICAN ASSOCIATION OF COMMUNITY AND JUNIOR COLLEGES (SEE APPENDIX). HARDCOPIES OF THE APPRENTICESHIP MATERIALS WILL BE MADE AVAILABLE FOR DISTRIBUTION AT THE NATIONAL CURRICULUM COORDINATORS VOCATIONAL-TECHNICAL EDUCATION MEETING TO BE HELD AT KANSAS CITY DURING JULY 9-12, 1989. VENDORS HAVE GIVEN WRITTEN PERMISSION TO COPY THEIR MATERIALS.

OBJECTIVE 5.2. DEVELOP INFORMATION PACKAGE FOR DISSEMINATION.

INFORMATION SHEETS WILL BE COMPLETED PRIOR TO THE NNCCVTE MEETING TO BE HELD IN KANSAS CITY DURING JULY 9-12, 1989. CLEARINGHOUSE BROCHURES HAVE BEEN MADE AVAILABLE ON A REQUEST BASIS FROM THE PROJECT DIRECTOR'S OFFICE ON THE LANE COMMUNITY COLLEGE CAMPUS.

OBJECTIVE 3.1 ESTABLISH A COMPUTERIZED DATABASE.
OBJECTIVE 7.3 CONTINUE TO UPDATE AND EXPAND THE MATERIALS RESOURCE BANK FOR QUALITY IMPROVEMENT

THE DATABASE RECORDS HAVE BEEN DOWNLOADED INTO THE UNIX SYSTEM. THE MATTER OF POSSIBLE COPYRIGHT INFRINGEMENT HAS CREATED SOMEWHAT OF A PROBLEM; HOWEVER, THE RESTRUCTURING OF THE DOWNLOADED RECORDS PRECLUDES DUPLICATION INTO ANY COPYRIGHT DATABASES. A TOTAL OF 2647 RECORDS ARE BEING READ INTO THE PROGRAM FOR PURPOSES OF INITIAL USE. ABSTRACTS WILL NOT BE LOADED BECAUSE OF POTENTIAL COPYRIGHT ISSUES. TO DATE, RECORDS HAVE BEEN UTILIZED FROM THE FOLLOWING BASES:

NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)
(341 RECORDS)
VOCATIONAL EDUCATION CURRICULUM MATERIALS (VECM)
(745 RECORDS)
RESEARCH IN VOCATIONAL EDUCATION (RIVE)
(543 RECORDS)
ERIC (1008 RECORDS)

THE PROJECT HAS PURPOSELY AVOIDED THE ONTARIO EDUCATION REPORTS (ONED), AV ONLINE MULTIMEDIA, AND NICEM DOCUMENTS BECAUSE OF THE COPYRIGHT MATTER. THE POLICY OF THE PROJECT STAFF IS TO NOT DEAL WITH THE COPYRIGHT DATABASE ISSUE.

VENDOR DOCUMENTATION SHOWING DATABASE FIELDS AND CODING INFORMATION IS SHOWN IN THE APPENDIX. MODIFICATIONS HAVE BEEN MADE IN THE MATERIALS RESOURCE BANK FOR PURPOSES OF ALLOWING FOR A BROADER SPECTRUM OF USER NEEDS.

A DIRECTORY OF COMPANY INFORMATION THESAURUS HAS BEEN DESIGNED TO FACILITATE THE DATABASE OPERATION. AS THE DOCUMENTATION OF THE VENDORS IS COMPLETED, THE DATABASE MAY BE SEARCHED BY SPECIFIC TOPICS IN THE MATERIAL TYPE (MT) FIELD BY COMPANY NAME, LOCATION, AREA CODE, ETC. THE INPUT FORM CONTAINS A BASIC INFORMATION CAPABILITY WITH THE ADDITION OF A FAX NUMBER, WITH THE TELEPHONE NUMBER BEING SPLIT INTO TWO FIELDS, LISTING TOLL AND TOLL-FREE STATUS. IN USING THE FIELD FOR MATERIAL TYPE (MT), THE WORDS USED FOR INPUT NEED TO COME FROM THE THESAURUS (SEE APPENDIX B) TO INCLUDE ALL WORDS THAT APPLY; THE USERS MAY USE UP TO FIFTEEN TERMS. WITHIN THE THESAURUS, THE BOLD FACED WORDS ARE THE PREFERRED TERMS TO BE USED IN THE MT FIELD. UF

REPRESENTS 'USED FOR' AND BT MEAN 'BROADER TERM'. FOR EVERY TERM PLACED INTO THE MT FIELD THERE WILL BE A BT TERM FOR THE DESCRIPTOR FIELD, WHICH WILL BE USED TO BUILD A SUBJECT INDEX FOR THE COMPANY DIRECTORY AT PUBLICATION TIME. THE GEOGRAPHICAL FIELD AND THE VENDOR TYPE FIELDS ARE ALSO SORT FIELDS WHICH MAY BE UTILIZED SHOULD THE DECISION BE MADE TO PUT OUT A PAPER DIRECTORY. THE FINISHED PRODUCT WOULD CONTAIN AT LEAST THREE SECTIONS LISTING THE RESOURCE BY MATERIAL TYPE, VENDOR TYPE, AND BY GEOGRAPHICAL LOCATION. THE VOCABULARY WILL BE MODIFIED OVER TIME TO REFLECT THE DEMANDS AND NEEDS OF THE PROJECT. WHEN THE PROCESS OF DOCUMENTING VENDORS IS COMPLETE, IT WILL BE POSSIBLE FOR THE USER TO OBTAIN A PRINTED DIRECTORY WHICH IS CREATED BY DOWNLOADING AN ASCII FILE AND EDITING IT WITH DESKTOP PUBLISHING SOFTWARE, ACTUAL REMOTE COMPUTER SEARCHING, OR DOWNLOADING SPECIFIC LISTS TO EITHER 5 1/4 OR 3 1/2 INCH FLOPPY DISKS. (NOTE: THE ABOVE INFORMATION WAS INCLUDED IN THE PREVIOUS EVALUATION REPORT.)

THE PROJECT CONTINUES TO PROCEED ACCORDING TO THE GRANT PROPOSAL SCHEDULE.

APPENDIX

CLEARINGHOUSE SUPPORT LETTERS
(USDL AND AACJC)

USAA SENTINEL (APRIL 1989)

FIPSE/LCC APPRENTICESHIP CLEARINGHOUSE
DATABASE EXAMPLES

U.S. Department of Labor

Employment and Training Administration
200 Constitution Avenue, N.W.
Washington, D.C. 20210

JAN 18 1989

Mr. Carl Horstrup
Director
Apprenticeship Clearing House
Project
Lane Community College
1059 Willamette Street
Eugene, Oregon 97401

Dear Carl:

This is in response to your letter of January 3, 1989, requesting my support and endorsement of the Apprenticeship Clearing House Project of which you are the Director. We understand that your project will provide a ready reference and guide to information and material available, including available related instruction curriculum study material.

The Department of Labor's Apprenticeship 2000 Initiative undoubtedly will provide for a broad expansion of the Apprenticeship concept of training and I do support projects such as yours and appreciate you keeping me advised of the current status of your project.

Sincerely,

JAMES D. VAN ERDEN
Director
Bureau of Apprenticeship and Training

AACJC

American Association of
Community and Junior Colleges

AACJC Annual Convention
March 29 - April 1, 1989 — Washington, D.C.
Building For A New Century

January 9, 1989

Carl Horstrup
F.I.P.S.E. Clearinghouse Director
Lane Community College
4000 East 30th Avenue
Eugene, Oregon 97405

Dear Carl:

Thanks for keeping me up to date on the college's FIPSE-funded apprenticeship program. It was a great idea to begin with and your work on it establishes its value.

At the moment I am working directly with Tradenet, the computer firm in Arizona that manages the AACJC electronic network, concerning the creation of a special database to house your resource directory. As we discussed, I want them to set up the system so that we can organize the material in a way that will encourage its use by our network members. We want users to be able to access particular topics, programs, and specialties quickly, efficiently, and comprehensively with as little keying as possible. We also want to set up the system so that Lane Community College can update and improve the database as frequently as is necessary.

Using our ACCESS network in combination with other dissemination options will make it possible for you to share the results of your work most effectively.

Your material will make an important contribution to ACCESS, Carl. Thanks for thinking of us. I'll let you know when the Tradenet details are set.

Sincerely,

Jim Mahoney
Director of Administrative and Computing Services

National Center for Higher Education, One Dupont Circle N.W., Suite 410, Washington, D.C. 20036 (202)293-7050 Fax Number: (202)833-2467

USAA

dedicated exclusively to the protection and betterment of apprenticeship.

January 20, 1989

Mr. Carl Horstrup, Coordinator
Apprenticeship & Special Training
Lane Community College
4000 East 30th Avenue
Eugene, OR 97405

Dear Mr. Horstrup:

The Board of Directors is pleased to appoint you as Executive Secretary of the United States Apprenticeship Association. We are extremely happy that you have agreed to accept. We would appreciate it if you would take steps to meet with us as soon as your schedule permits, here in Madison.

If you will contact Mr. Nye when you have arranged your schedule, we will be available to meet with you and assist in the transition.

Again, we are looking forward to working with you.

Sincerely yours,

Terrence Benewich

Terrence Benewich
Board Cochairman

TB:mjh

cc: Board Members

USAA Sentinel

dedicated exclusively to the protection and betterment of apprenticeship.

APRIL 1989

STATE LABOR LEGISLATION ENACTED IN 1988

Recent legislative trends continued with significant laws enacted in a wide array of labor standards areas including minimum wage, mandatory retirement, AIDS testing, and parental leave according to a recent report by Richard R. Nelson, State Standards Advisor in the Division for USDL Employment Standards Administration. Office of State Liason and Legistative Analysis. Various State labor legislation enacted in 1988 covered a wide variety of employment standards subjects and included several significant new laws. The year was also notable for several important general election ballot initiatives. Among these measures addressed were both traditional labor standards fields such as minimum wage and child labor protection and bans on mandatory retirement and other forms of employment discrimination, and the newer subjects of workplace AIDS and drug testing, parental leave, and asbestos abatement.

Wages. Minimum wage continued as a major issue in 1988 with new legislation or wage orders increasing minimum rates in GUAM, KANSAS, MAINE, PENNSYLVANIA, RHODE ISLAND, SOUTH DAKOTA, VERMONT, the VIRGIN ISLANDS, and the DISTRICT OF COLUMBIA for employees in hotel and restaurant occupations, and PUERTO RICO for employees in the hotel and construction industries. An additional seven states had rate increases in 1988 as the result of prior legislation. Also, an initiative on the WASHINGTON STATE ballot in the November general election to provide for an increase in the State rate and to extend coverage to farmworkers and domestic service employees was approved by the voters. The trend in recent legislative and administrative actions has been to increase rates above the $3.35 per hour Federal standard in effect since 1981; in fact, the DISTRICT OF COLUMBIA, MAINE, RHODE ISLAND and VERMONT which had already surpassed the Federal level, adpoted even higher rates. Fifteen jurisdictions now exceed the Federal rate for some or all employees (this number will rise to 16 on February 1, 1989 when the PENNSYLVANIA increase becomes effective), with the highest rates being $4.25 an hour in CALIFORNIA, CONNECTICUT and the VIRGIN ISLANDS: $4.00 an hour in RHODE ISLAND and in PUERTO RICO for office, supervisory, and skilled workers in the construction industry; and from $3.50 to $4.85 an hour in the DISTRICT OF COLUMBIA, depending on the industry.

United States Apprenticeship Association P.O. Box 70600 Eugene, Oregon 97401

Parental Leave. States continued to take the lead in legislation addressing the subject of parental leave. A new law in MAINE requires private sector employers and local government with 25 or more employees and the State to grant up to 8 weeks of unpaid family medical leave in any 2 years for the birth or adoption of a child, or for the serious illness of the employee, child, parent, or spouse. In WISCONSIN, employers of 50 or more workers in the private sector and the state government must provide unpaid family or medical leave of up to 6 weeks for the birth or adoption of a child; 2 weeks to care for a child, spouse, or parent with a serious health condition; and 2 weeks personal medical leave within a 12-month period. In both cases, employees returning from such leave are entitled to reinstatement in the same or equivalent position without loss of benefits. (The legislature in HAWAII requested a study of the feasibility of enacting such a statute.)

Child Labor. Child labor amendments addressed a variety of youth employment issues. A growing concern was reflected in a NEW HAMPSHIRE enactment where, as part of a literacy and school dropout prevention program, the Youth Employment Law was amended to limit the school week work hours of 16- and 17-year olds and a committee was created to examine, among other things, the relationship between the number of hours per week that a student works or participates in sports and the student's academic achievement. In other significant developments, monetary penalties were substantially increased for child labor violations in WISCONSIN; in RHODE ISLAND, authority to declare places or occupations as hazardous for minors under 16 years of age was transferred from the Department of Health to the Department of Labor; and in MICHIGAN, new regulations were issued making hazardous occupation provisions more detailed and more consistent with Federal standards and requiring closer supervision of minors in the workplace.

Discrimination. The age 70 upper limit of protection from age discrmination or mandatory retirement provisions was removed from both private and public sector employees by amendments to laws in IDAHO, KANSAS, SOUTH CAROLINA and TENNESSEE, and for various public sector employees by amendments in ARIZONA, the DISTRICT OF COLUMBIA, and MARYLAND. MARYLAND also enacted a law requiring that a prohibition against employment discrimination based on age be included in the required nondiscrimination clause in all State procurement contracts. In MASSACHUSETTS, certain groups of State and municipal public safety employees may now work beyond age 65 with annual certification. Some of this State activity was likely in response to federal Age Discrimination in Employment Act amendments, effective January 1, 1987, which included removal of the age-70 upper limit on coverage in private and public sector employment.

Employee testings. The highly controversial testing of employees, either for drug or alcohol abuse or for the presence of AIDS virus (HIV) antibodies continued to be the subject of proposed legislation in several jurisdictions. Drug testing legislation was enacted in NEBRASKA, KANSAS, and TENNESSEE. In NEBRASKA,

public and private employers of 6 or more may require employees to submit to drug or alcohol testing under penalty of dismissal or other discplinary or administrative action for refusal to be tested. KANSAS authorized establishment of a drug screening program for persons taking office as governor, lieutenant governor, or attorney general and for those applying for safety sensitive positions in State government, and Department of Correction security personnel in TENNESSEE may be tested upon reasonable suspicion that an employee's faculties are impaired on the job and that a danger exists because of the impairment. Laws prohibiting employers from requiring a test for the presence of an AIDS virus infection as a condition of employment and from discriminating in employment on the basis of a positive test were enacted in FLORIDA, IOWA, RHODE ISLAND and VERMONT.

Safety and Health. Again in 1988, as in recent years, most of the legislation dealing with worker safety and health concerned the right of workers to be informed of and given training on chemical hazards in the workplace, asbestos abatement, and restrictions on workplace smoking. New comprehensive right-to-know laws were enacted applicable to agencies of the Government of GUAM and to public sector employers in GEORGIA. Both laws provide for notification to employees of hazardous substances in the workplace and for safety training. Of the remaining right-to-know laws, half were amendments incorporating provisions required by the Federal Emergency Planning and Community Right-to-Know Act of 1986. In related court action, a provision of the MASSACHUSETTS law, limiting the disclosure of information about the presence of hazardous substances in the workplace to those authorized to receive it, was declared unconsitutional as an unwarranted restriction on freedom of speech.

INTERNATIONAL BROTHERHOOD OF CARPENTER'S RESPONSE TO APPRENTICESHIP 2000

The following are highlights from the respective topics of IBC response. Promotion: we suggest establishing a national system of pre-apprenticeship, structured somewhat like Job Corps. Technical Assistance: establishment of minimum national standards for occupations which are apprenticeable. Recognition: true recognition will come only when we have consistent quality in apprenticeship. Delivery System: the only delivery system we support is the joint labor/management committee which insures that apprenticeship remains an industry function. Help Subsidize Related Instruction: at no time should sponsors of apprenticeship be allowed to take more than 50% public funding to support related training. Lower Costs of Doing Business: the apprenticeship community should lobby for legislation requiring that insurance companies give discounts to employers using apprentices. Contact Preference: a very important part of the work falls on the shoulders of BAT and the state registering agencies. It is their resonsibility to get together and establish a federal/state registration system, so that uniform national standards can be established for every apprenticeable occupation.

APPRENTICESHIP CONFERENCES

May 3-5	Virginia Apprenticeship Conference, Radison Hotel, Lynchburg, VA
May 21-26	Eastern Seaboard Apprenticeship Conference, Hartford, CT
May 23-25	Michigan Apprenticeship Conference, Westin Hotel, Detroit, MI
June 5-11	Western Apprenticeship Coordinators Conference, Vancouver, B.C. Canada
June 25-28	Arizona Apprenticeship Instructors Seminar, Prescott, AZ
July 10-14	National Association of State and Territorial Apprenticeship Directors (NASTAD) Conference, Sheraton Princess Kaiulani Hotel, Honolulu, HI
July 11-13	Southern States Apprenticeship Conference, Hyatt Regency Hotel, Atlanta, GA
July 27-28	California Apprenticeship Council Meeting, San Diego, CA

UNITED STATES APPRENTICESHIP ASSOCIATION
PO BOX 70600, EUGENE, OR 97401

__Renewal __New Member Annual Dues $20/1 year; $35/2 years

Name_____
Last First Initial

Title_____ Firm_____

Address_____

City_____State___ Zip_____Phone_____

Representative of: __Employer __Journeyman __Voc. Ed.

__ Federal Government __Apprenticeship __Coordinators

__Other (please specify)_____

Please return this form with payment.

FIPSE / LCC Apprenticeship Clearinghouse

Phase I

Total number of records currently being loaded: 2,647

Initial database structure excludes abstracts

Phase II

Reload records to include abstracts

Update file with recent publications

Phase III

Evaluate other sources of information to be used in addition to the original group

CO COMPANY NAME: Advanced Machinery Imports Ltd.
AD STREET ADDRESS: PO Box 312.
CY CITY: New Castle.
ST STATE: DE.
ZP ZIP CODE: 19720.
TE TELEPHONE NUMBER: 302-322-2226.
VT VENDOR TYPE: Private Sector Firm.
GL GEOGRAPHICAL LOCATION: Delaware.
MT MATERIAL TYPE: Mechanical Equipment.
DE DESCRIPTORS: Equipment.
ID IDENTIFIERS: Construction. Cabinetmaking.
NT NOTE: High end speciality woodworking machinery and accessories.

AU AUTHOR: Matus, Jose R.
IN AUTHOR AFFILIATION: Tohono O'Odham Nation Skill Center, PO Box 837, Sells, AZ 85634.
TI TITLE: Tohono O'Odham Nation Skill Center.
SN SPONSORING AGENCY: Office of Vocational and Adult Education (ED), Washington, DC.
NO NUMBERS: GN: G008420055. PN: 101AH10056.
YR YEAR: 1987.
LG LANGUAGE: English.
GS GEOGRAPHICAL SOURCE: United States. Arizona.
TA TARGET AUDIENCE: Student.
EL EDUCATIONAL LEVEL: High School (10-12).
MT MATERIAL TYPE: Training Program.
DE DESCRIPTORS: American-Indians. Job-Skills. Job-Training. Bookkeeping. Carpentry. Construction-Industry. Electrical-Occupations. Machine-Translation. Masonry. Office-Occupations-Education. Plumbing. Reprography. Reservation-American-Indians. Skill-Development. Word-Processing.
ID IDENTIFIERS: Federal. Research Proposals. Tohono O'Odham Nation.
NT DESCRIPTIVE NOTE: Start Date 01 Oct 84; End Date 30 Sep 87. This project was previously funded under grant G008101058. Continuation of CC015058.

AU AUTHOR: Shebala, Gene.
IN AUTHOR AFFILIATION: Pueblo of Zuni, PO Box 339, Zuni, NM 87327.
TI TITLE: Zuni Apprenticeship Training Program.
SN SPONSORING AGENCY: Office of Vocational and Adult Education (ED), Washington, DC.
NO NUMBERS: GN: G008620021.
YR YEAR: 1988.
LG LANGUAGE: English.
GS GEOGRAPHICAL SOURCE: United States. New Mexico.
TA TARGET AUDIENCE: Student.
EL EDUCATIONAL LEVEL: Adult.
MT MATERIAL TYPE: Training Program.
DE DESCRIPTORS: Adult-Vocational-Education. American-Indians. Job-Training. Building-Trades.
ID IDENTIFIERS: Federal. Research Proposals. Grants. Zuni (Pueblo).
NT DESCRIPTIVE NOTE: Start Date 03 Feb 86; End Date 02 Feb 88.

AU AUTHOR: Oretega, Mel.
IN AUTHOR AFFILIATION: Papago Tribe, PO Box 837, Sells, AZ 85634.
TI TITLE: The Papago Skill Center.
SN SPONSORING AGENCY: Office of Vocational and Adult Education (ED), Washington, DC.
NO NUMBERS: GN: G008400055.
YR YEAR: 1987.
LG LANGUAGE: English.
GS GEOGRAPHICAL SOURCE: United States. Arizona.
TA TARGET AUDIENCE: Student.
EL EDUCATIONAL LEVEL: Adult.
MT MATERIAL TYPE: Training Program.
DE DESCRIPTORS: Adhesives. Carpentry. Construction-Industry.

BEST COPY AVAILABLE

AU AUTHOR: Guilar, Joshua R. D.
IN AUTHOR AFFILIATION: Oregon Alliance for Program Improvement, Corvallis.
TI TITLE: Oregon Cabinetmakers and Woodworkers Apprenticeship Training Curriculum. Instructor's Manual.
YR YEAR: 1985.
PG PAGINATION: 141p.
AV AVAILABILITY: ERIC. ED275830.
LG LANGUAGE OF PUBLICATION: English.
GS GEOGRAPHIC SOURCE: United States. Oregon.
TA TARGET AUDIENCE: Teachers. Practitioners.
DE DESCRIPTORS: Apprenticeships. Cabinetmaking. Equipment-Utilization. Machine-Tool-Operators. Trade-and-Industrial-Education. Woodworking. Assembly-Manufacturing. Construction-Materials. Finishing. Hand-Tools. Machine-Tools. Postsecondary-Education. State-Curriculum-Guides.
NT DESCRIPTIVE NOTE: Also sponsored by the Portland Millmen and Cabinetmakers Joint Apprenticeship Training Committee.
AB ABSTRACT: This curriculum guide is to be used in the classroom for the purpose of training apprentices in the cabinetmaking and millwork trades. The guide focuses on a step-back hutch that can be made in the traditional, colonial/country, and contemporary funiture styles. There are 12 units covering the following topics: materials, planning processes, machine processes, and assembly. The units are made up of a unit outline, list of supplemental reading materials, term notes, and a series of class outlines. In addition there are lecture/demonstration outlines, parallel listings of tasks and project steps, and notes to the instructor. The curriculum can be used at any time during the four-year cycle. The curriculum stresses teamwork in the workplace.

21 May 1989

MEMORANDUM

TO: Wayne

FROM: Karen

RE: Field labels for the two databases.

The database that includes the curriculum, research, and journal material from the four databases I told you about have all been reformated to include the following labels:

AU	Author
IN	Author Affiliation
TI	Title
SO	Source
SN	Sponsoring Agency
NO	Numbers
YR	Year
PG	Pagination
AV	Availability
CI	Copyright Information
LG	Language of Publication
GS	Geographic Source
TA	Target Audience
EL	Educational Level
MT	Material Type
MS	Material Status
DE	Descriptors
ID	Identifiers
NT	Descriptive Note
AB	Abstract

Not all the records will have all the fields. The initial load will be without abstracts because I do not care to set myself up for problems with copyright even on files that are technically not copyrighted. Cautious maybe. Wise probably.

The database that will hold the vendor information has the following fields:

CO	Company Name
AD	Address
CY	City
ST	State
ZP	Zip Code
TE	Telephone Number
TF	Toll Free Number
FN	Fax Number
CP	Contact Person
VT	Vendor Type
GL	Geographical Location
MT	Material Type
DE	Descriptors
ID	Identifiers
NT	Note

Again not all the records will have all the fields. All the vendors from the list that Burr put together have been loaded into a file. I am going to set the file up so that Carl can go ahead and produce the vendor directory part of his project. He needs to see some results. The electronic version will be safely held on the computer in his office until it can be loaded online.

I hope this is what you wanted. Give me a call at home if you need more. I will not be going back to work until June 5. I will either be at home working or in Eugene staring at Carl's computer.